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## IN THE CLAIMS:

Please amend the claims as follows.

1. (Currently Amended): An active matrix organic electro luminescence display panel device, comprising:

a substrate;

at least one low refractive thin film formed directly on the substrate;

an organic electro luminescence diode formed on the low refractive thin film to selectively emit light; and

a switching device formed on the low refractive thin film for selectively driving the organic electro luminescence diode,

wherein the low refractive thin film includes at least one of silica aerogel and silica gel.

- 2. (Original): The device according to claim 1, wherein a refractive rate (n) of the low refractive thin film is less than or equal to 1.5.
- 3. (Cancelled).

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4. (Previously Presented): An active matrix organic electro luminescence display panel device,

a substrate;

comprising:

at least one low refractive thin film formed directly on the substrate;

an organic electro luminescence diode formed on the low refractive thin film to selectively emit light;

a switching device formed on the low refractive thin film for selectively driving the organic electro luminescence diode; and

a capacitor for sustaining a light emission of the organic electro luminescence diode.

5. (Original): The device according to claim 4, wherein the organic electro luminescence diode includes:

a first electrode formed of transparent conductive material on the low refractive thin film and connected to the switching device;

an organic light emission layer including an organic luminous material on the first electrode; and

a second electrode including a metal material to cover the organic light emission layer, the switching device, and the capacitor.

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6. (Original): The device according to claim 5, wherein the switching device includes:

a buffer layer formed on the substrate;

a semiconductor layer formed at a predetermined area on the buffer layer;

a gate insulating film and a gate electrode sequentially deposited on the semiconductor

layer;

a drain electrode connected to the semiconductor layer and connected to the first

electrode of the organic electro luminescence diode; and

a source electrode connected to the semiconductor layer and connected to the capacitor.

7. (Original): The device according to claim 6, wherein the capacitor includes:

a capacitor electrode formed on the buffer layer and separated from the semiconductor

layer with a gap therebetween;

a first insulating layer covering the capacitor electrode; and

a power electrode overlapping the capacitor electrode on the first insulating layer and

connected to the source electrode.

8. (Original): The device according to claim 6, further comprising:

a second insulating layer covering the switching device and the capacitor, wherein the

second insulating layer includes a contact hole and a portion of the first electrode is within the

contact hole; and

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a third insulating layer formed between the second insulating layer and the second

electrode.

9. (Original): The device according to claim 5, further comprising at least one fourth insulating

layer formed between the low refractive thin film and the first electrode.

10. (Currently Amended): The device according to claim 1 [[14]], further comprising a

capacitor formed between the substrate and the low refractive thin film to sustain a light emission

of the organic electro luminescence diode, a [[the]] first insulating layer covering the capacitor.

11. (Original): The device according to claim 10, wherein the organic electro luminescence

diode includes:

a first electrode formed of transparent conductive material on the low refractive thin film,

wherein the low refractive thin film includes a contact hole and a portion of the first electrode is

within the contact hole contacting the switching device;

an organic light emission layer formed of organic luminous material on the first electrode;

and

a second electrode formed of metal material to cover the organic light emission layer, the

switching device and the capacitor.

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12. (Original): The device according to claim 11, wherein the switching device includes:

a buffer layer formed on the substrate;

a semiconductor layer formed at a predetermined area on the buffer layer;

a gate insulating film and a gate electrode sequentially deposited on the semiconductor

layer;

a drain electrode connected to the semiconductor layer and connected to the first

electrode of the organic electro luminescence diode; and

a source electrode connected to the semiconductor layer and connected to the capacitor.

13. (Previously Presented): The device according to claim 12, wherein the capacitor includes:

a capacitor electrode formed on the buffer layer and separated from the semiconductor

layer with a gap therebetween;

a second insulating layer covering the capacitor electrode; and

a power electrode overlapping the capacitor electrode on the second insulating layer and

connected to the source electrode.

14. (Previously Presented): An active matrix organic electro luminescence display panel device,

comprising:

a substrate:

at least one low refractive thin film formed on the substrate;

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an organic electro luminescence diode formed on the low refractive thin film to selectively emit light;

a switching device formed between the substrate and the low refractive thin film for selectively driving the organic electro luminescence diode; and

a first insulating layer formed between the substrate and the low refractive thin film to cover the switching device,

wherein a refractive rate (n) of the low refractive thin film is less than or equal to 1.5.

15. (Currently Amended): A method of fabricating an active matrix organic electro luminescence display panel device, comprising the steps of:

forming at least one low refractive thin film directly on a substrate;

forming an organic electro luminescence diode on the low refractive thin film to selectively emit light; and

forming a switching device on the low refractive thin film for selectively driving the organic electro luminescence diode,

wherein the low refractive thin film includes at least one of silica aerogel and silica gel.

16. (Currently Amended): A method of fabricating an active matrix organic electro luminescence display panel device, comprising the steps of:

forming at least one low refractive thin film directly on a substrate;

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forming an organic electro luminescence diode on the low refractive thin film to

selectively emit light;

forming a switching device on the low refractive thin film for selectively driving the

organic electro luminescence diode; and

forming a capacitor on the low refractive thin film, wherein the capacitor is provided for

sustaining the light emission of the organic electro luminescence diode.

17. (Original): The method according to claim 15, wherein a refractive rate (n) of the low

refractive thin film is less than or equal to 1.5.

18. (Cancelled).

19. (Original): The method according to claim 16, wherein the step of forming the organic

electro luminescence diode includes:

forming a first electrode of transparent conductive material on the low refractive thin film

connected with the switching device;

forming an organic light emission layer of organic luminous material on the first

electrode; and

forming a second electrode of metal material to cover the organic light emission layer, the

switching device, and the capacitor.

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20. (Original): The method according to claim 19, wherein the step of forming the switching

device includes:

forming a buffer layer on the substrate;

forming a semiconductor layer at a predetermined area on the buffer layer;

forming a gate insulating film and a gate electrode sequentially on the semiconductor

layer;

forming a drain electrode connected to the semiconductor layer and connected to the first

electrode of the organic electro luminescence diode; and

forming a source electrode connected to the semiconductor layer and connected to the

capacitor at the same time when forming the drain electrode.

21. (Original): The method according to claim 20, wherein the step of forming the capacitor

includes:

forming a capacitor electrode on the buffer layer to be separated from the semiconductor

layer with a gap therebetween;

forming a first insulating layer to cover the capacitor electrode; and

forming a power electrode overlapping the capacitor electrode on the first insulating layer

and connected to the source electrode.

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22. (Original): The method according to claim 19, further comprising the steps of:

forming a second insulating layer to cover the switching device and the capacitor, wherein the second insulating layer includes a contact hole and a portion of the first electrode is within the contact hole; and

forming a third insulating layer formed between the second insulating layer and the second electrode.

- 23. (Original): The method according to claim 19, further comprising the step of forming at least one fourth insulating layer formed between the low refractive thin film and the first electrode.
- 24. (Currently Amended): The method according to claim <u>15</u> [[28]], further comprising the step of:

forming a capacitor between the substrate and the low refractive thin film for sustaining the light emission of the organic electro luminescence diode[[,]]; and

forming a [[the]] first insulating layer covering the capacitor.

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25. (Original): The method according to claim 24, wherein the step of forming the organic electro luminescence diode includes:

forming a first electrode of transparent conductive material on the low refractive thin film, wherein the low refractive thin film includes a contact hole and a portion of the first

electrode is within the contact hole contacting the switching device;

forming an organic light emission layer of organic luminous material on the first

electrode; and

forming a second electrode of metal material to cover the organic light emission layer, the switching device and the capacitor.

26. (Original): The method according to claim 25, wherein the step of forming the switching device includes:

forming a buffer layer on the substrate;

forming a semiconductor layer at a predetermined area on the buffer layer;

forming a gate insulating film and a gate electrode sequentially on the semiconductor layer;

forming a drain electrode connected to the semiconductor layer and connected to the first electrode of the organic electro luminescence diode; and

forming a source electrode connected to the semiconductor layer and connected to the capacitor at the same time when forming the drain electrode.

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27. (Previously Presented): The method according to claim 26, wherein the step of forming the capacitor includes:

forming a capacitor electrode on the buffer layer to be separated from the semiconductor layer with a specific gap therebetween;

forming a second insulating layer to cover the capacitor electrode; and

forming a power electrode to overlap the capacitor electrode on the second insulating layer and connected to the source electrode.

28. (Previously Presented): A method of fabricating an active matrix organic electro luminescence display panel device, comprising the step of:

forming at least one low refractive thin film on a substrate;

forming an organic electro luminescence diode on the low refractive thin film to selectively emit light;

forming a switching device between the substrate and the low refractive thin film for selectively driving the organic electro luminescence diode; and

forming a first insulating layer between the substrate and the low refractive thin film to cover the switching device,

wherein a refractive rate (n) of the low refractive thin film is less than or equal to 1.5.

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29. (Cancelled).

30. (Previously Presented): The device according to claim 14, wherein the low refractive thin

film includes at least one of silica aerogel and silica gel.

31. (Cancelled).

32. (Previously Presented): The method according to claim 28, wherein the low refractive thin

film includes at least one of silica aerogel and silica gel.

33. (Previously Presented): The device according to claim 4, wherein a refractive rate (n) of the

low refractive thin film is less than or equal to 1.5.

34. (Previously Presented): The device according to claim 4, wherein the low refractive thin

film includes at least one of silica aerogel and silica gel.

35. (Previously Presented): The method according to claim 16, wherein a refractive rate (n) of

the low refractive thin film is less than or equal to 1.5.

36. (Previously Presented): The method according to claim 16, wherein the low refractive thin

film includes at least one of silica aerogel and silica gel.

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